## WHAT IS CLAIMED IS:

I	1. A method of operating a fault tolerant connection in a network,	
2	wherein said network comprises a plurality of network elements and each one of sa	id
3	network elements is coupled to at least one other of said network elements by at least	ıst
4	one of a plurality of links, comprising:	
5	identifying a first path, wherein said first path is between a first one of said	
6	network elements and a second one of said network elements;	
7	identifying a second path, wherein	
8	said second path is between said first one and said second one of sai	d
9	network elements, and	
10	said first path and said second path are disjoint;	
11	sending a packet from said first one of said network elements via said first	
12	path;	
13	sending a duplicate packet from said first one of said network elements via	
14	said second path, wherein said duplicate packet is a duplicate of said	l
15	packet; and	
16	receiving at least one of said packet and said duplicate packet at said second	l
17	one of said network elements.	
1	2. The method of claim 1, further comprising:	
2	discarding one of said packet and said duplicate packet, if both said packet a	ınd
3	said duplicate packet are received at said second one of said network	:
4	elements.	
1	3. The method of claim 2, wherein said first path and said second path	ora
2	node-disjoint.	arc
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1	4. The method of claim 3, wherein said first path is a shortest node-	
2	disjoint path and said second path is a second-shortest node-disjoint path.	

1	5. The method of claim 2, wherein said first path and said second path a
2	link disjoint.
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1	6. The method of claim 5, wherein said first path is a shortest link-disjoint method and acid accordingly to the standard link disjoint method.
2	path and said second path is a second-shortest link-disjoint path.
1	7. The method of claim 1, wherein said first path and said second path
2	each include ones of said network elements and said links.
1	8. A network, wherein said network comprises a plurality of network
2	elements and each one of said network elements is coupled to at least one other of sa
3	network elements by at least one of a plurality of links, comprising:
4	
5	a first network element;
	a second network element, wherein
6	said first and said second network elements are ones of said network
7	elements,
8	said first and said second network elements are coupled to one another
9	by a first path and a second path,
10	said first network element is configured to send a packet via said first
11	path and send a duplicate packet via said second path,
12	said duplicate packet is a duplicate of said packet, and
13	said second network element is configured to receive at least one of
14	said packet and said duplicate packet.
1	9. The network of claim 8, wherein said second network element is
2	configured to discard one of said packet and said duplicate packet, if both said packet
3	and said duplicate packet are received at said second one of said network elements.

The network of claim 9, wherein said first path and said second path

10.

are node-disjoint.

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- 1 11. The network of claim 10, wherein said first path is a shortest node-
- 2 disjoint path and said second path is a second-shortest node-disjoint path.
- 1 12. The network of claim 9, wherein said first path and said second path
- 2 are link disjoint.
- 1 13. The network of claim 12, wherein said first path is a shortest link-
- 2 disjoint path and said second path is a second-shortest link-disjoint path.